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### CLAIM AMENDMENTS

1. (currently amended) An alkaline electrochemical battery cell comprising an anode, a cathode, a separator between the anode and cathode, and an electrolyte, wherein the anode comprises zinc, the cathode comprises  $MnO_2$ , the electrolyte is an aqueous electrolyte, and at least one of the anode, cathode and or electrolyte contains n-type, reduced metal oxide particles as an additive.
2. (cancelled)
3. (currently amended) ~~The cell according to claim 1~~ An alkaline electrochemical battery cell comprising an anode, a cathode, a separator between the anode and cathode, and an electrolyte, wherein at least one of the anode, cathode or electrolyte contains n-type metal oxide particles as an additive and the n-type metal oxide additive is a doped metal oxide, comprising a metal oxide modified by incorporation of a dopant and having an average particle size of 60  $\mu m$  or less.
4. (cancelled)
5. (original) The cell according to claim 3, wherein the metal oxide is selected from the group consisting of  $BaTiO_3$ ,  $K_2TiO_3$ ,  $CoTiO_3$ ,  $SrTiO_3$ ,  $CaTiO_3$ ,  $MgTiO_3$ ,  $SiO_2$ ,  $CaO$ ,  $TiO_2$ ,  $CoO$ ,  $Co_3O_4$ ,  $ZnO$ ,  $SnO$ ,  $SnO_2$ ,  $PbO_2$ ,  $Bi_2O_3$ ,  $Bi_2O_3 \cdot 3ZrO_3$ ,  $Bi_{12}TiO_{20}$ ,  $Fe_2O_3 \cdot TiO_2$ ,  $Nb_2O_5$ ,  $CaWO_4$ ,  $ZnMn_2O_4$ , and  $K_2Cr_2O_7$ .
6. (original) The cell according to claim 3, wherein the metal oxide is selected from the group consisting of  $SiO_2$ ,  $TiO_2$  and  $SnO_2$ .
7. (original) The cell according to claim 3, wherein the dopant comprises a cation that, when added to the structure of the undoped metal oxide, reduced the resistivity of the metal oxide.

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8. (original) The cell according to claim 7, wherein the metal oxide is  $\text{TiO}_2$  and the dopant is selected from the group consisting of  $\text{NbO}_2$ ,  $\text{Nb}_2\text{O}_5$ ,  $\text{Ta}_2\text{O}_5$ ,  $\text{WO}_3$ ,  $\text{GeO}_2$ ,  $\text{ZrO}_2$ ,  $\text{SnO}_2$ ,  $\text{ThO}_2$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{In}_2\text{O}_3$ ,  $\text{LiNiO}_2$  and  $\text{P}_2\text{O}_5$ .

9. (original) The cell according to claim 8, wherein the dopant is  $\text{Nb}_2\text{O}_5$ .

10. (currently amended) ~~The cell according to claim 6, wherein~~ An alkaline electrochemical battery cell comprising an anode, a cathode, a separator between the anode and cathode, and an electrolyte, wherein at least one of the anode, cathode or electrolyte contains n-type metal oxide particles as an additive, the metal oxide is  $\text{SnO}_2$  and the dopant is selected from the group consisting of  $\text{In}_2\text{O}_3$ ,  $\text{Sb}_2\text{O}_5$ ,  $\text{Nb}_2\text{O}_5$ ,  $\text{WO}_3$  and  $\text{P}_2\text{O}_5$ .

11. (currently amended) The cell according to claim 1, wherein the n-type metal oxide additive is initially contained in the cathode.

12. (currently amended) The cell according to ~~claim 2~~ claim 3, wherein the anode comprises zinc and the cathode comprises  $\text{MnO}_2$ .

13. (currently amended) ~~The cell according to claim 12~~ An alkaline electrochemical battery cell comprising an anode, a cathode, a separator between the anode and cathode, and an electrolyte, wherein at least one of the anode, cathode or electrolyte contains n-type metal oxide particles as an additive, wherein the electrolyte is an aqueous electrolyte, the anode comprises zinc, the cathode comprises  $\text{MnO}_2$  and the n-type metal oxide is comprises  $\text{TiO}_2$  and the dopant is doped with  $\text{Nb}_2\text{O}_5$ .

14. (cancelled)

15. (currently amended) The cell according to ~~claim 14~~ claim 3, wherein the average particle size is 15  $\mu\text{m}$  or less.

16. (previously presented) The cell according to claim 15, wherein the average particle size is 1 to 5  $\mu\text{m}$ .

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17. (previously presented) The cell according to claim 16, wherein the average particle size is 1 to 2  $\mu\text{m}$ .
18. (original) The cell according to claim 1, wherein the n-type metal oxide has a resistivity less than 100 ohm-cm.
19. (original) The cell according to claim 18, wherein the resistivity is 10 ohm-cm or less.
20. (currently amended) An alkaline electrochemical battery cell according to ~~claim 1~~ claim 3, comprising a zinc-containing anode, a manganese dioxide-containing cathode, a separator between the anode and cathode, and an aqueous alkaline electrolyte, wherein at least one of the anode, cathode ~~and~~ or electrolyte contains a niobium-doped  $\text{TiO}_2$  additive having a resistivity less than 100 ohm-cm.
21. (currently amended) ~~The cell according to claim 20, wherein~~ An alkaline electrochemical battery cell comprising a zinc-containing anode, a manganese dioxide-containing cathode, a separator between the anode and cathode, and an aqueous electrolyte, wherein at least one of the anode, cathode or electrolyte contains a niobium-doped  $\text{TiO}_2$  additive having a resistivity less than 100 ohm-cm and the electrolyte comprises 35 to 37 weight percent potassium hydroxide.
22. (original) The cell according to claim 20, wherein the weight ratio of niobium-doped  $\text{TiO}_2$  to  $\text{MnO}_2$  is 0.018 to 1 or less.
23. (original) The cell according to claim 22, wherein the weight ratio of niobium-doped  $\text{TiO}_2$  to  $\text{MnO}_2$  is 0.009 to 1 or less.
24. (new) The cell according to claim 20, wherein the resistivity is 10 ohm-cm or less.
25. (new) The cell according to claim 1, wherein the n-type, reduced metal oxide is reduced  $\text{TiO}_2$ .

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26. (new) The cell according to claim 3, wherein the doped metal oxide is initially contained in the cathode.
27. (new) The cell according to claim 3, wherein the doped metal oxide has a resistivity less than 100 ohm-cm.
28. (new) The cell according to claim 27, wherein the doped metal oxide has a resistivity less than 10 ohm-cm.
29. (new) An alkaline electrochemical battery cell according to claim 1, comprising a zinc-containing anode, a manganese dioxide-containing cathode, a separator between the anode and cathode, and an aqueous alkaline electrolyte, wherein at least one of the anode, cathode or electrolyte contains a niobium-doped  $\text{TiO}_2$  additive having a resistivity less than 100 ohm-cm.